

# Interference EAST Search History - updated

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	1	(detect and plurality and evaluation and determination and reproducibility and (mark adj element) and (corrective adj coefficient))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/01/03 14:00
S1	1433	356/401.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/16 14:43
S2	1	("7019836").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/08/16 14:43
S3	9	("20020042664"   "20020165636"   "4958160"   "5835227"   "5943135"   "6151121"   "6335784"   "6664121"   "6850327").PN. OR ("7019836").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/16 14:43
S4	13	((("4958160") or ("jp8339951") or ("6850327") or ("6664121") or ("20020042664") or ("20020164636") or ("5835227") or ("4958160") or ("5754300") or ("5808910") or ("6856931") or ("5986766") or ("5561606") or ("4962318") or ("20010046315")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/08/17 07:04
S5	8	"762599"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/17 12:02
S6	1	("5805866").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/08/18 09:50
S7	10	(US-20040150824-\$).did. or (US-7019836-\$ or US-6664121-\$ or US-5943135-\$ or US-4958160-\$ or US-6856931-\$ or US-5808910-\$ or US-5754300-\$ or US-5561606-\$ or US-5805866-\$).did.	US-PGPUB; USPAT	OR	ON	2006/08/18 13:23

## EAST Search History

S8	4	S7 and overlay	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/23 13:10
S9	1	("6094256").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/08/23 12:47
S10	1434	356/401.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/23 13:10
S11	305	S10 and overlay.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/23 13:10
S12	386	((first adj2 mark) with (film layer)) and (((second next) adj2 mark) with ((first previous) with (film layer)))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/23 13:19
S13	256179	((align alignment inspect inspecting) with (overlay position))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/23 13:20
S14	179	S12 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/23 13:20
S15	24	S14 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2006/08/23 13:20
S16	6	("4758864"   "5440138"   "5796483"   "5950093"   "6093618"   "6417922").PN. OR ("6914664"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/23 14:04

# EAST Search History - Original

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("5525808").PN.	USPAT; USOCR	OR	OFF	2006/03/09 14:41
S2	27	("4902900"   "5243195").PN. OR ("5525808").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 14:57
S4	206	(matsumoto and takahiro).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/10 07:35
S31	49	("5859707" "6151120" "4834540" "5659384" "5798530" "5801390" "4795244" "6100987" "6219130" "6219130" "4617469" "4777641" "4801808" "4833621" "4881100" "4962318" "4982227" "5377009" H001463 "5597590" "5646413" "5656229" "5684595" "5695897" "5715063" "5838450" "5844247" "5917205" "5981116" "6051843" "6057908" "6097473" "6108089" "6157452" "6198527" "4418467" "4586822" "4620785" "4798470" "4861162" "4901109" "5182455" "5189494" "5231471" "5272501" "5313272" "5347356" "5506684" "5543921" "5572288").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/10 13:42
S40	6146	((250/548) or (355/53) or (355/55) or (356/400) or (356/401) or (430/22)).CCLS.	USPAT; USOCR	OR	OFF	2006/03/14 07:48
S46	3	((("6950187") or ("5831739") or ("6639677")).PN.	USPAT; USOCR	OR	OFF	2006/03/13 12:55
S50	6146	((250/548) or (355/53) or (355/55) or (356/400) or (356/401) or (430/22)).CCLS.	USPAT; USOCR	OR	OFF	2006/03/13 12:56
S51	11	S50 and (sezginer barekat ausschitt)	USPAT	OR	OFF	2006/03/13 12:57
S53	40	overlay and (sezginer barekat ausschitt)	USPAT	OR	OFF	2006/03/13 14:33
S64	678	(sezginer bareket ausschnitt)	USPAT	OR	OFF	2006/03/13 14:37
S75	4346	(250/548 355/53 355/55 356/400 356/401 430/22).ccls. and @pd<"20030123"	USPAT	OR	OFF	2006/03/15 08:06
S77	153	S75 and overlay and film and (detect measure align)	USPAT	OR	OFF	2006/03/14 07:57
S93	262	S75 and overlay and detect\$3 and (control\$3 process\$3)	USPAT	OR	OFF	2006/03/14 14:03
S16 1	2	("0208765").PN.	USPAT; USOCR	OR	OFF	2006/03/15 15:51

## EAST Search History

S16 5	1	jp-57208765-\$.did.	USPAT; JPO	OR	OFF	2006/03/15 16:18
S16 6	6154	((250/548) or (355/53) or (355/55) or (356/400) or (356/401) or (430/22)).CCLS.	USPAT; USOCR	OR	OFF	2006/03/15 16:23
S16 8	143	(Takahiro and matsumoto).in.	USPAT	OR	OFF	2006/03/15 16:23
S16 9	6154	((250/548) or (355/53) or (355/55) or (356/400) or (356/401) or (430/22)).CCLS.	USPAT; USOCR	OR	OFF	2006/03/15 16:23
S17 0	682	(sezginer bareket ausschnitt)	USPAT	OR	OFF	2006/03/15 16:23
S17 1	100	S170 and S169	USPAT	OR	OFF	2006/03/15 16:23
S17 2	79	S171 and overlay	USPAT	OR	OFF	2006/03/15 16:23
S17 3	48	S171 and overlay and film	USPAT	OR	OFF	2006/03/15 16:23
S17 4	6154	((250/548) or (355/53) or (355/55) or (356/400) or (356/401) or (430/22)).CCLS.	USPAT; USOCR	OR	OFF	2006/03/15 16:23
S17 5	744	S174 and (position\$3 near3 accuracy)	USPAT	OR	OFF	2006/03/15 16:23
S17 8	102	S174 and ((plural multiple many several) adj (mark\$5 elements))	USPAT	OR	OFF	2006/03/15 16:23
S17 9	102	S174 and ((plural multiple many several) adj (mark\$5 elements))	USPAT	OR	OFF	2006/03/15 16:23
S18 0	4346	(250/548 355/53 355/55 356/400 356/401 430/22).ccls. and @pd<"20030123"	USPAT	OR	OFF	2006/03/15 16:23
S18 1	73	S180 and ((plural multiple many several) adj (mark\$5 elements))	USPAT	OR	OFF	2006/03/15 16:23
S18 3	267	S180 and overlay and detect\$3	USPAT	OR	OFF	2006/03/15 16:23
S18 4	111	S180 and overlay and detect\$3 and (control\$3 process\$3) and align	USPAT	OR	OFF	2006/03/15 16:23
S18 5	4346	(250/548 355/53 355/55 356/400 356/401 430/22).ccls. and @pd<"20030123"	USPAT	OR	OFF	2006/03/16 09:14
S18 7	12	S185 and (less fewer) adj3 marks	USPAT	OR	OFF	2006/03/15 16:23
S18 8	29	S185 and (less fewer) adj3 total not S187	USPAT	OR	OFF	2006/03/15 16:23
S19 0	106	align\$5 same ((less fewer ("not" adj "all")) adj3 total) and accura\$3	USPAT	OR	OFF	2006/03/15 16:23

## EAST Search History

S19 2	13	align\$5 same ((less fewer ("not" adj "all")) adj3 total) and (("same" equivalent ("no" adj "loss"))) near3 accura\$3)	USPAT	OR	OFF	2006/03/15 16:23
S19 3	5	align\$5 same ((less fewer ("not" adj "all")) adj3 total) and (("same" equivalent ("no" adj "loss"))) near3 (accura\$3 overlay)) and @pd<"20030123"	USPAT	OR	OFF	2006/03/16 07:06
S19 4	6	align\$5 same ((less fewer ("not" adj "all")) adj3 (total sum all)) and (("same" equivalent ("no" adj "loss"))) near3 (accura\$3 overlay)) and @pd<"20030123"	USPAT	OR	OFF	2006/03/15 16:23
S20 6	17013	(250/548 355/53,55,77 356/399-401 382/151 430/5,22,30).ccls. and @pd<"20030123"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/17 15:17
S20 7	62	S206 and (((plural many several multiple various) adj3 (mark element spot)) same (reproduc\$ difference deviation))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/17 15:21
S20 8	24	S206 and (((plural many several multiple various) adj3 (mark element spot)) same (deviation))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 07:02
S20 9	17013	(250/548 355/53,55,77 356/399-401 382/151 430/5,22,30).ccls. and @pd<"20030123"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 07:56
S21 0	62	S209 and (((plural many several multiple various) adj3 (mark element spot)) same (reproduc\$ difference deviation))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 07:57
S21 1	143126	((plural many several multiple various) adj3 (mark element spot))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 08:13
S21 2	13281	((desired wanted needed necessary) adj3 (accuracy precision))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 07:58
S21 3	23	S209 and S211 and S212	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 08:12

## EAST Search History

S21 5	313335	((plural many several multiple various number) adj3 (mark element spot))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 08:16
S21 7	22704	((desired wanted needed necessary) adj3 (accuracy precision error uncertainty))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 08:16
S21 8	17013	(250/548 355/53,55,77 356/399-401 382/151 430/5,22,30).ccls. and @pd<"20030123"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 08:16
S21 9	143126	((plural many several multiple various) adj3 (mark element spot))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 08:17
S22 0	23	S218 and S219 and S216	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 08:17
S22 2	538	(S218 and S219 and S215) not S220	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 08:17
S22 3	450	S222 and (overlay pattern semiconductor)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 08:18
S22 5	1	"5805866".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/20 14:08
S22 6	1	"6333776".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/21 08:59
S22 7	1	"5740065".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/21 08:59